

**AMERICAN EMBASSY
DAKAR, SENEGAL
VACANCY ANNOUNCEMENT**

JOB ANNOUNCEMENT NUMBER: DKR-2013-044

OPEN TO: All interested candidates
POSITION: HVAC Controls Technician FSN7/ FP7
OPENING DATE: August 7th, 2013
CLOSING DATE: August 21st, 2013
WORK HOURS: Full-time position 40 hours/week

ALL ORDINARILY RESIDENT APPLICANTS MUST HAVE THE REQUIRED WORK AND/OR RESIDENCY PERMITS TO BE ELIGIBLE FOR CONSIDERATION.

*The U.S. Embassy in Dakar is seeking an individual for the position of **HVAC Controls Technician**. Copy of the complete position description listing all duties and responsibilities are available on the US Embassy website <http://dakar.usembassy.gov/>.*

Send your applications via e-mail to DakarHRO@state.gov.

BASIC FUNCTION OF POSITION

Employed as a Heating, Ventilation and Air Conditioning (HVAC) Controls Technician to carry out skilled maintenance and repair work throughout the New Embassy Compound/New Consulate Compound (NEC/NCC) buildings, grounds and residential owned/leased properties. The incumbent specializes in HVAC control systems of automated equipment and assisting in the programming control sequences, control devices and their interface with the Building Automation System (BAS) to maintain optimized system performance and equipment maintenance

MAJOR DUTIES AND RESPONSIBILITIES

Employed as an HVAC Controls Technician to carry out skilled maintenance and repair work throughout the New Embassy Compound/New Consulate Compound (NEC/NCC) buildings, grounds and residential owned/leased properties. Work assignments will be directed by the Facility Manager or an assigned Supervising Engineer.

Operation Support: (50% OF TIME)

1. Maintains and operates the HVAC Control System and other building mechanical systems. Included but not limited to, chillers, large central air handling units, packaged A/C units, filtration, fan coils, variable air volume (VAV) units, HVAC ductwork, evaporators, condensers, humidifiers, motorized valves, chilled water piping, circulation pumps, damper motors, controllers, actuators, HVAC water treatment systems, and other control devices.
2. Assists the Building Automation System Technician (BASET) in the production of computer generated reports from the Building Automation System, which is the backbone of the HVAC Control System, to troubleshoot and diagnose trending data.
3. Performs preventive maintenance on the HVAC Control System and related components to maintain system operation and reliability to ensure uninterrupted power and continuous air supply to critical facilities, equipment and systems. Responds to scheduled, unscheduled and preventive maintenance work orders generated by the Computerized Maintenance Management System (CMMS). The current program for the Department of State is Work Order for Windows (WOW).
4. Inspects, tests, evaluates, calibrates and updates HVAC Control System and wiring to improve reliability and to assure dependability and safety and compliance. Inspects facilities (including houses, temporary trailers, buildings, etc); equipment (e.g. AHU's, packaged A/C units, fan coils

compressors, etc.); systems (e.g. mechanical and plumbing, etc.); and work of vendors to determine condition of facilities, safe operation of equipment, quality and safety of work, and scheduled maintenance. Provides routine and emergency condition inspections, as required by manufacturer requirements, on all systems and advises the Facility Manager and Supervising Engineer in writing of problems and recommendations.

5. Ensures proper use of time, tools, specialty diagnostic devices materials, parts and provide data on all completed preventive maintenance task, spares, and consumables.

Maintenance Support: (40% OF TIME)

1. Assists in analyzing HVAC Control Systems, obtaining and documenting critical performance data to be reported to the Facility Manager (FM) or supervising engineer detailing operational proficiency. Data consists of power consumption, evaluations and historical data reviews, and systems performance requirements. Reviews reports and logs generated by the HVAC Controls to analyze the systems performance.
2. Assists in preparation of Statements of Work (SOW) and construction documents for repairs, new construction and renovation work. Assistance includes obtaining telephone/written estimates and quotes of materials and equipment needed for repairs and the completion of job tasks. Monitors contractors work for providing products and services as the terms and conditions of the contract. Assists in developing punch lists, testing, and inspections as required to ensure quality services and construction work and assists LES Facility Maintenance personnel in the performance of in-house projects.
3. Assists in providing guidance to other LES Facility Maintenance personnel and vendors/contractors in the correct operation of equipment, use of diagnostic devices and materials used to complete required maintenance activities, general operations, and future expansion projects.
4. Assists in the development and implementation of a comprehensive preventive maintenance program for building systems equipment and associated control devices.

Logistic Support: (10% OF TIME)

1. Contributes to the safety program of the facility. Insures work does not present health problems or risk of injury to workers or other employees or visitors.
2. Remains current on job specific expertise through various sources (e.g. trade publications, trade shows, vendor communication, etc.) to keep abreast of the latest technological developments and products to improve generator reliability.
3. Collateral duty assignments will be at the discretion of the Facility Manager but could include the following: Additional mechanic duties, Assistant POSHO, Government Technical Monitor (GTM), and/or Escort. Participates in LES Facility Maintenance personnel training programs sponsored by DOS, manufacturers and private vendors.

QUALIFICATIONS REQUIRED FOR EFFECTIVE PERFORMANCE

a. Education:

The position requires successful completion of secondary school and two (2) years of journey-level training in the repair and maintenance of digital building control systems. Education or technical training in a field related to specialized mechanical building controls or related mechanical equipment through a recognized trade union, technical school or equivalent; accredited trade school, college or university may substitute for one (1) year of the required experience. One year of work experience is equivalent to thirty

(30) semester hours of coursework from an accredited trade school, college or university.

b. Prior Work Experience:

Minimum of three to five (3-5) years experience as a HVAC Controls Technician with digital building control system knowledge is required. A minimum of 3 years of experience must be with large, modern, commercial or Government office building in operations and maintenance. Knowledge of U.S. building, trade, construction, fire, and safety codes and standards are highly desirable.

c. Post Entry Training:

Position may require individual to travel TDY for the purpose of receiving on the job training to become familiar with mission maintenance operations. Training to operate Work Order for Windows will be provided. Vendor sponsored controls training will be sought. Training plans will be coordinated by the Facility Manager and Post Management. Additional available training includes the following: FSI (Foreign Service Institute)/On Site: PA522 Building Automation Systems; PA523 - HVAC Building Automation Fundamentals for Building Managers; PA524 - Electrical Power Generation for Facility Managers and Distance Learning: PA296 - How to be a Contracting Officer's Representative; PA438 - Web.PASS Work Order for Windows; and PA526 - ProjNet SM Facilitating Design and Construction Communication

d. Language Proficiency:

Level III in both English and Wolof language written, and spoken proficiency required.

e. Job Knowledge:

The incumbent shall possess job knowledge to include general computer literacy, basic math and the ability to use measurement tools needed to lay out and cut shaped, threaded, and joined materials. Must have a good working knowledge of building mechanical control systems (structure and design), direct digital control technology, devices and sequence of controls. He or she must be familiar with international building, mechanical codes to be able to perform installation, maintenance, and repair work to meet code requirements. A general knowledge of building systems and operations, mechanical principles and theories, and familiarization of the proper use and hazards of chemical materials is needed. Knowledge of normal, standby, and emergency modes of building systems is required. Must be proficient in the use of Microsoft Office software (Outlook, Word, Excel, Power Point etc) and other computer programs like AutoCAD.

f. Skills and Abilities:

The incumbent shall have the skills and abilities in the following areas: testing mechanical components and taking equipment readings with various meters, hand tools, power tools, and specialty tools to determine appropriate repairs. Must be able to use tools of the trade in order to install, troubleshoot and repair building mechanical control automated systems and all associated devices. Additional skills include working with building systems powered by emergency standby generator; distinguishing frequencies and sounds, color codes and odors in the operation of equipment in order to troubleshoot for repairs. Must have substantial skill in comprehending engineering reports, specifications and related materials in English. Additional abilities include responding to emergency situations in an efficient and timely manner to effect immediate repairs; work in various adverse conditions such as tight or enclosed spaces, heights, and temperature extremes, indoors or outdoors to complete work assignments; communicate orally and in writing with co-workers, contractors and vendors to obtain and provide pertinent information. A driver's license is required. Must have excellent interpersonal skills and be able to handle a large workload and multiple tasks. Must be organized.

POSITION ELEMENTS

a. Supervision Received:

Position is supervised directly by the Facility Manager. In his absence or as delegated he/she may be supervised by the Electrical or Mechanical Engineer Supervisor acting on the Facility Managers behalf.

b. Available Guidelines:

Work Orders for Windows (WOW) training guide, Facilities Maintenance Handbook, Post Housing Handbook; Post Operations and Maintenance manuals will all be onsite or accessible by computer. T&A training guide, post correspondence manuals are additional guideline references.

c. Authority to Make Commitments:

The position has no direct authority to make commitments, but will coordinate with Embassy staff, maintenance staff, service contractors and vendors on approved commitments as directed by Facility Manager or upper level Management in his or her absence.

d. Nature, Level and Purpose of Contacts:

To provide functional support to the Embassy American employees, family members and local staff relating to facilities issues. Levels of contact with contractors shall be held to a minimum or otherwise as directed by Facility Manager.

e. Time Expected to Reach Full Performance Level:

Six (6) months

SELECTION PROCESS: Upon completion of the initial two-week mandatory announcement period, only Locally Employed Staff (LES) internal candidates who are currently employed by the Mission will be considered. If no internal candidate is selected, the position will be available to external candidates who are not employed by the Mission. When equally qualified, U.S. Citizen Eligible Family Members (USEFMs) and U.S. Veterans are given preference. Therefore, it is essential that the candidate's application specifically address the required qualifications above.

NOTE: Only short listed candidates will be contacted.

ADDITIONAL SELECTION CRITERIA:

- (1) Management will consider nepotism/conflict of interest, budget, and residency status in determining successful candidacy.
- (2) Current employees serving a probationary period are not eligible to apply.
- (3) Current Ordinarily Resident (OR) employees with an Overall Summary Rating of "Needs Improvement" or "Unsatisfactory" on their most recent Employee Performance Report are not eligible to apply.
- (4) Currently employed US Citizen EFMs who hold a Family Member Appointment (FMA) are ineligible to apply for advertised positions within the first 90 calendar days of their employment.
- (5) Currently employed Not Ordinarily Resident (NOR) employees hired under a Personal Services Agreement (PSA) are ineligible to apply for advertised positions within the first 90 calendar days of their employment unless currently hired into a position with a When Actually Employed (WAE) work schedule.
- (6) Background check will be conducted if selected.

TO APPLY: Interested candidates for this position must submit the following or the application will not be considered:

- (1) Optional Application for Federal Employment (OF-612), US Embassy Dakar Application Form, or current resume/curriculum vitae that provides the same information as the OF-612.
- (2) Letter of motivation addressing the qualification requirements of the position as listed above,
- (3) Any additional documentation (e.g., essays, certificates, awards, copies of degrees earned) as relevant.
- (4) Candidates who claim US Veterans' preference must provide a copy of their Form DD-214 with their application.

SUBMIT APPLICATION TO: American Embassy, Dakar, Human Resources Office
E-mail Address: DakarHRO@state.gov.

CLOSING DATE FOR THIS POSITION: August 21st, 2013

The US Mission in Senegal provides equal opportunity and fair and equitable treatment in employment to all people without regard to race, color, religion, sex, national origin, age, disability, political affiliation, marital status, or sexual orientation. The Department of State also strives to achieve equal employment opportunity in all personnel operations through continuing diversity enhancement programs.

The EEO complaint procedure is not available to individuals who believe they have been denied equal opportunity based upon marital status or political affiliation. Individuals with such complaints should avail themselves of the appropriate grievance procedures, remedies for prohibited personnel practices, and/or courts for relief.

DEFINITIONS:

1. US Citizen Eligible Family Member (USEFM) – For purposes of receiving a preference in hiring for a qualified position, an EFM who meets the following criteria:

- US Citizen; and,
- EFM (see below) at least 18 years old; and,
- Listed on the travel orders of a direct-hire Foreign, Civil, or uniformed service member assigned to or stationed abroad with a USG agency that is under COM authority, or at an office of the American Institute in Taiwan; and either:
 1. Resides at the sponsoring employee's or uniformed service member's post of assignment abroad or at an office of the American Institute in Taiwan; or
 2. Resides at an Involuntary Separate Maintenance Allowance (ISMA) location authorized under 3 FAM 3232.2.

2. Eligible Family Member (EFM) - An individual related to a US Government employee in one of the following ways:

- Spouse;
- Child, who is unmarried and under 21 years of age or, regardless of age, is incapable of self-support. The term shall include, in addition to natural offspring, stepchildren and adopted children and those under legal guardianship of the employee or the spouse when such children are expected to be under such legal guardianship until they reach 21 years of age and when dependent upon and normally residing with the guardian;
- Parent (including stepparents and legally adoptive parents) of the employee or of the spouse, when such parent is at least 51 percent dependent on the employee for support;
- Sister or brother (including stepsisters and stepbrothers, or adoptive sisters or brothers) of the employee, or of the spouse, when such sibling is at least 51 percent dependent on the employee for support, unmarried, and under 21 years of age, or regardless of age, incapable of self-support.

3. Member of Household (MOH) – An individual who accompanies a direct-hire Foreign, Civil, or uniformed service member permanently assigned or stationed at a U.S. Foreign Service post or establishment abroad, or at an office of the American Institute in Taiwan. An MOH is:

- Not an EFM; and,
- Not on the travel orders of the sponsoring employee; and,

- Has been officially declared by the sponsoring USG employee to the COM as part of his/her household.

A MOH is under COM authority and may include a parent, unmarried partner, other relative or adult child who falls outside the Department's current legal and statutory definition of family member. A MOH does not have to be a US Citizen.

4. Not Ordinarily Resident (NOR) – An individual who:

- Is not a citizen of the host country; and,
- Does not ordinarily reside (OR, see below) in the host country; and,
- Is not subject to host country employment and tax laws; and,
- Has a US Social Security Number (SSN).

NOR employees are compensated under a General or Foreign Service (GS or FS) salary schedule, not under the Local Compensation Plan (LCP). If an individual is holding a diplomatic status through a spouse or partner by a third country or international organization (e.g., Union Nations), the candidate is classified as Not Ordinary Resident (NOR) and paid off the US FP Scale.

5. Ordinarily Resident (OR) – A Foreign National or US citizen who:

- Is locally resident; and,
- Has legal, permanent resident status within the host country; and,
- Is subject to host country employment and tax laws.

EFMs without US Social Security Numbers are also OR. All OR employees, including US citizens, are compensated in accordance with the LCP.